

DIN EN ISO 15011-4:2018-05 (E)

Health and safety in welding and allied processes - Laboratory method for sampling fume and gases - Part 4: Fume data sheets (ISO 15011-4:2017)

Contents		Page
European foreword		3
Foreword		4
Introduction		5
1 Scope		6
2 Normative references		6
3 Terms and definitions		6
4 Principle		7
5 Procedure		7
6 Test conditions		8
6.1 Generic test parameters		8
6.2 Testing of manual metal arc welding electrodes		10
6.3 Testing of solid, metal-cored and flux-cored wires used in gas-shielded metal arc welding		10
6.4 Testing of flux-cored wires used in self-shielded metal arc welding		12
7 Reporting of results		13
7.1 Fume data sheet		13
7.2 Transitional arrangements		14
7.3 Retesting		14
7.4 Data sharing		14
7.5 Validation of fume data sheets		15
Annex A (normative) Fume data sheet		16
Annex B (informative) Optional additional section of a fume data sheet		18
Annex C (informative) Examples of performance data		19
Annex D (informative) Uses of welding fume data		21
Annex E (informative) Principal and key components of welding fume		24
Annex F (informative) Example of a welding consumable classification system		26
Annex G (informative) Example of a fume data sheet for a stainless steel manual metal arc welding electrode (including the optional additional section)		27
Bibliography		29